

GEOEGE and THOMAS EARLE,
CEMENT MANUFACTURERS, HULL.
Light and Dark equal to any made.
Also, Manufacturers of PLASTER, MASTIC,
Importers of MARBLE and PORTLAND.
Dealers in Slates, Glaze, Hair, Whiting &c.

MEDINA (ROMAN) CEMENT.—The material of which this cement is made is obtained in the heart of the Tiber. It has all the properties of the Sherry Stone, but is more hard adapted to engineering works, from the rapidity with which it sets and hardens. It is used in the construction of the great bridge at Chertsey; in a similar way, and also in the construction of the great bridge at London. The foundation of the great pier of the Tiber bridge at Rome is built in Medina. It is constructed of no other material but this cement and sherry stone. The work extends far into the sea, and is exposed to the most violent shocks of the Channel, in a position where every storm is felt. Medina cement is used in the construction of the mole of the various qualities of Roman Cement are improved by the use of this improved manufacture.

CHAR. FRANCIS & CO., Importers, Nine Elms, London; or write to the Agents, Messrs. R. L. FLEDER, American Wharf, 10, South Street, New York.

JOHNS and COATING effected some important improvements in the manufacture of this very useful material, confidently offer it in the notice of the Trade and the Public generally, as possessing every advantage of the common Lime Work or White Colour Work, and being **VERY CRACK WORK.** It is a white colour, but may be painted in any colour—**DON NOT WASH OFF**—is perfectly dry in twenty-four hours, and, being a non-absorbent, is admirably adapted for Maritime Nations, Cold Work-ware, Barnacles, Wooden Frames, &c. One cut will cover 300 square yards. It will last good five years, and **MAY BE EXPORTED WITH PERMIT OF SAFETY.**

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more or less than any other line or armament. The shell line
 is built on a burnt on an improved principle, leaving scarcely any
 loss. The satisfaction constantly expressed by Engineers, Arab
 bers, and Constructors, of the above, is the best recommendation.
 Table, Cannon, and Co's Rice Thrilled Bricks, Pipe, Junc
 tion, Ponds, and Fire Goods.
 BIRNAN, PORTLAND, PARIAN, ANSTON, and LIA
 (MENTS of the best quality.
 SECONDLY, PAULSON, STUCKA, and other Bricks
 CHALLER RICHARDSON, & South Wharf, Fiddling-on.

THOMAS FREEN and CO. LIME BURNERS
 Worldham-on-the-Wetway. Grey and Chalk Lime supplied
 by freight, direct from the kilns, as fresh from their wharves
 in Canal-road, Kingston road, Queen's Wharf, Great Cambridge-
 street, Haggerstone, or King's Wharf, New Wharf road, Battle-
 bridge, N.H. Laithes, Tilos, Chimney-pots, Plaster, Hair, Welch
 &c. &c. &c.

BRICKS WANTED.—About 200,000 good sound BRICKS (about half stocks) delivered either at Paddington, Hammermith Lock, or at Wilbourne-grave West, near Roding. Sale.—Terms to be sent to Mr. WATT, Architect, 55, Abchurch Lane.

BRICKS.—H. DODD is enabled to offer his
BRICKS, which are of good quality, at the following low
price; and as his fields are only a quarter of an hour's walk
from the City, H. D. earnestly requests purchasers will favour him
with a visit, in order to inspect his stock and to judge for them-
selves.—

Marble cutters	Rs. 100	Per Thousand
Yellow seconds	Rs. 50	"
Pale seconds	Rs. 25	"
Partials	Rs. 10	"
Pickings	Rs. 5	"

Delivered within two miles of the fields.

Wine, place, half-washed shanks, and piece bricks, of equally low price. These bricks are sound, well burnt, and unusually free from defects; a very large proportion of the stock being suitable for internal facing.—Apply to HENRY DODD and CO., at the Brick-making-house, Heston Brickfields, Grange walk, near the Heston Railway Branch, Heston, N.W.—Best pit sand of approved quality, constantly on sale, upon reasonable terms; this sand, from its not containing any saline matter, is acknowledged to be preferable to other sand.

Facing Bricks, Hard Chalkers for stable paving, &c. &c. and
Kilned Bricks to any pattern, of superior quality, and at reduced
prices.—Apply to Messrs. ROBERT WRIGHT and SONS, Brick
and Tile Manufactory, Woolpet, Suffolk; or to their Agents
S and A. WRIGHT, Brick and Tile Works, Hanwell, Middlesex.

FAIRBANKS, KENT, and DENNY BRICKS; also Yellow and
Fair Main Seconds, Cutters, Pastors, Shimmers, &c.

KENTISH RAG STONE of the finest quality, and of the blue
tint much approved by architects can now be supplied at
FURTHER and CONSIDERABLE REDUCTION in PRICE.
Apply to Mr. BENJAMIN COUGH, E. Newington Crescent,
Newington Butte.

red, per foot run); Parian Tiles of different patterns, in white, red, and blue; Fancy Glazing and Mosaic Tiles, coloured brown, for slates; White Marble Tiles, for facing buildings, &c. sent to all parts of the country direct from the kilns—Office, 2, Portland Street, Southampton, where samples and illustrated price-lists may be had on application, post paid.

WHITE BLUINIAM BRICKS and TILES.
These Goods, so justly celebrated for retaining their colour without retreating, and combining great strength with a fine finish, can be obtained in London, in various forms and sizes, and in any quantity. The Parian Tiles, Chislers, Splays, Ballances, and Fountains are well worth attention.
Sole Agents: PHILIP HARRIS and CO. 11, Steel-yard Wharf, Upper Thames-street.

For Bath, Dairies, and Kitchen Ranges, may be had in great quantities.

PAN TILES, 48s.; Plain, 32s. 6d.; superior White
 Scotch, Faint, Red ditto, Fire Brick, &c.—Best Manufacturing
 Works, and Newcastle Fire Bricks, Locomotives, Clay, Windows
 Locomotives, and all other kinds of Goods, London and
 from Tiles and Bricks, Dutch and English China, Mal
 and China, being finely perforated, Tiles, 17 in. and 1 in. Paving
 Bricks, and all in quality and colour, at WAREHOUSE and retail
 at 10, Abchurch Lane, London, E.C. 4. Southwark, London. Thomas Sear
 (over), Graves, &c. &c.

DRINKS, FEELS, AND THINKS.



The clay, in a rough shape, is prepared upon the rollers by the person employed to fill the machine; the rollers, in revolving, draw the clay, and also force it downwards into a chamber at the other end of the cylinder in which they revolve; by this chamber the clay is allowed to pass through a die, and it is so formed that the stream of clay must take the form of the opening through it. When it is necessary to give the ends of the bricks a serrated shape, this can be done by attaching a lathe to the cylinder, and this lathe revolves with the cylinder, and is made the shape required for the ends of the bricks, which form it immediately. The bricks are then cut by a wire, and are then placed in a box, and are then placed in a box, and are then placed in a box. For every purpose, which make a drain of much greater strength than the above, or red ware pipes, and of all iron cast.

The machine is self-acting: the attendants have merely to put in the clay, and remove the bricks, or other ware, which

The screws propel the clay without taking air in with it; thus the ware comes out free from the imperfections which are on it in the ware produced by piston pressure; and the loss so generally incurred by waste in burning, from the expansion of the ware, is avoided.

its moderate price in this machine, and the simplicity of its construction, make it with a use much or almost every person who is both as cost and maintenance. It not only lessens the cost of labor required in the process of brick making, but, as it can be used in a much drier soil than it can be when moulded by the hand, the time occupied in drying is much less; and, as better bricks are made, a material saving is effected in the cost of manufacture and burning. In consequence of the great economy in the day in its transit, ware of very superior quality is produced.

For price and further particulars apply to **RANDELL and HAYDERN**, Bath; **CHARLES JOHN CARR and CO.** Finsbury



economic reasons instead of machine-made sand bricks as a naturally superior material. All harvesting in every quarry must be done by hand, and the machine is not used to transport the sand to a few of its characteristic functions, to secure a very large share of mobile patronage. The new machine gives the clay and sand the bricks that the pressure of the rollers forces forward and separates from the surface of the rollers. The rollers are laid on a roller-belt without injury to the surface of the rollers. The machine is self-feeding, and requires no fuel but only 25 m.h. The machine being used herein is easily portable to any part of the field. 6th. The quantity made exceeds that of any other machine with an equal capacity, and the cost of the machine is less than that of any other machine for years. 7th. The saving resulting from the use of the machine can be shown to exceed 10¢ per annum.

P. H. CHASE AND

HART PATENT DOUBLE ACTION PUMP AND TEE MATCHER



The machine is entirely of W. E. and the construction is so simple, that with ordinary care it will last five years, and W. E. GUARANTEES FOR THREE YEARS. It is mounted on wheels, so as to be readily taken to any place required. The dies are made of steel, and can be used for any shape and size, or could be exchanged for pieces of any shape and size up to 6 inches square with two receiving tables.

N.B.—The dies for Reuben's Patent Hollow Bricks, as exhibited in Prince Albert's Model Cottages in 1874, are made by hand, and supplied with this machine if required. It is capable of being worked by hand, or may, as well as the Brick Machine, be driven by steam or gas power.

The machine is complete with two tables, ten dies and one set of handles. One handle is

Price of horse-gear to drive one the machine, \$15; if to drive two machines, \$1.00; if three, \$1.50 extra. One horse will drive machines.

ENGINEERING, BOILER MAKING, AND IRONFOUNDRY IN ALL ITS BRANCHES.
MANUFACTORY:—ATLAS IRON WORKS, BOROUGH-ROAD LONDON.